

## **Silicon Card For Reading Device by applying Serial Advanced Technology Attachment Interface**

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### **Abstract**

A Silicon Card For Reading Device by applying Serial Advanced Technology Attachment Interface comprising: a Serial Advanced Technology Attachment Interface (SATAI); a First Wafer Module, a Second Wafer Module and Reading Card Unit. In this invention, SATAI is converted into an Integrated Disc Electronics Interface (IDEI) by First Wafer Module allowing the data transfer interface to change into serial interface from parallel interface. The Second Wafer Module connects with the First Wafer Module to serve in reading the Reading Card Unit with plugging external media storage. As the title indicates, the present invention comprises a Silicon Card For Reading Device with high data transfer rate, hot plugging function and effectively reducing the use of wire by applying transfer data in serial interface.

### **The explanation of drawings:**

- (1) . The representative drawing of the present invention is: FIG 1.  
(2) . The component's symbols used in the drawing includes:
- 100 Silicon Card For Reading Device
  - 110 First Wafer Module
  - 120 Second Wafer Module
  - 130 Reading Card Unit
  - 140 First Plugging Slot
  - 150 Second Plugging Slot
  - 160 Serial Advanced Technology Attachment Interface
  - 170 Integrated Disc Electronics Interface
  - 300 Switch Unit

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